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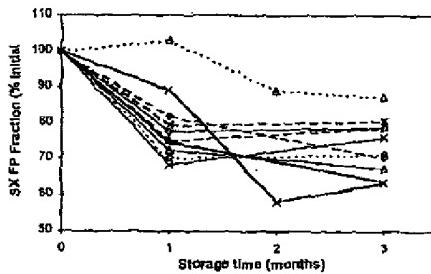
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- (54) Title: INHALABLE PHARMACEUTICAL FORMULATIONS EMPLOYING LACTOSE ANHYDRATE AND METHODS OF ADMINISTERING THE SAME

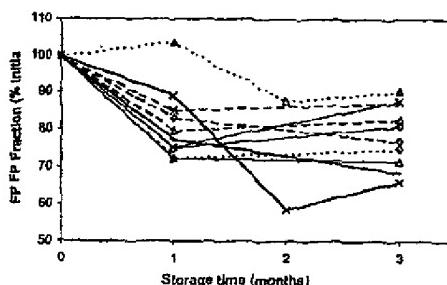


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Salmeterol



Fluticasone propionate



Legend (%/type Anhydrous Lactose)

- |                    |                |                         |                   |
|--------------------|----------------|-------------------------|-------------------|
| —♦— 1% Commercial  | —○— 1% Stable  | ···♦··· 1% Hygroscopic  | —■— Monohydrate   |
| —▲— 10% Commercial | —△— 10% Stable | ···△··· 10% Hygroscopic | —×— Monohydrate 2 |
| —×— 80% Commercial | —×— 80% Stable |                         |                   |

(57) Abstract: Pharmaceutical formulations suitable for inhalation comprise at least one pharmaceutically active medicament and lactose anhydrate.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/35129

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 9/14; A01N 25/02, 25/00  
US CL : 424/489, 43, 46; 514/826, 951

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 424/489, 43, 46; 514/826, 951

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WEST, EAST, MEDLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,495,167 B2 (YANG) 17 December 2002 (17.12.2002), see column 10, lines 1010 and 55-65; column 15, lines 55-65, and Figure 1.	1-8, 11-12, 14, 16-17, 19-28, 31-32, 34, 36-37, 39-47, 50-51, 53, 55, 56
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X	US 6,482,417 B2 (LEIBOVICI et al) 19 November 2002 (19.11.2002), Table 1.	1-6 and 18-21

Further documents are listed in the continuation of Box C.

See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

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